

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1306085

Luminaire Tested: P3SQASS17R309024DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306085  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQASS17R309024DE010 E3SQPHLP1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQPHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

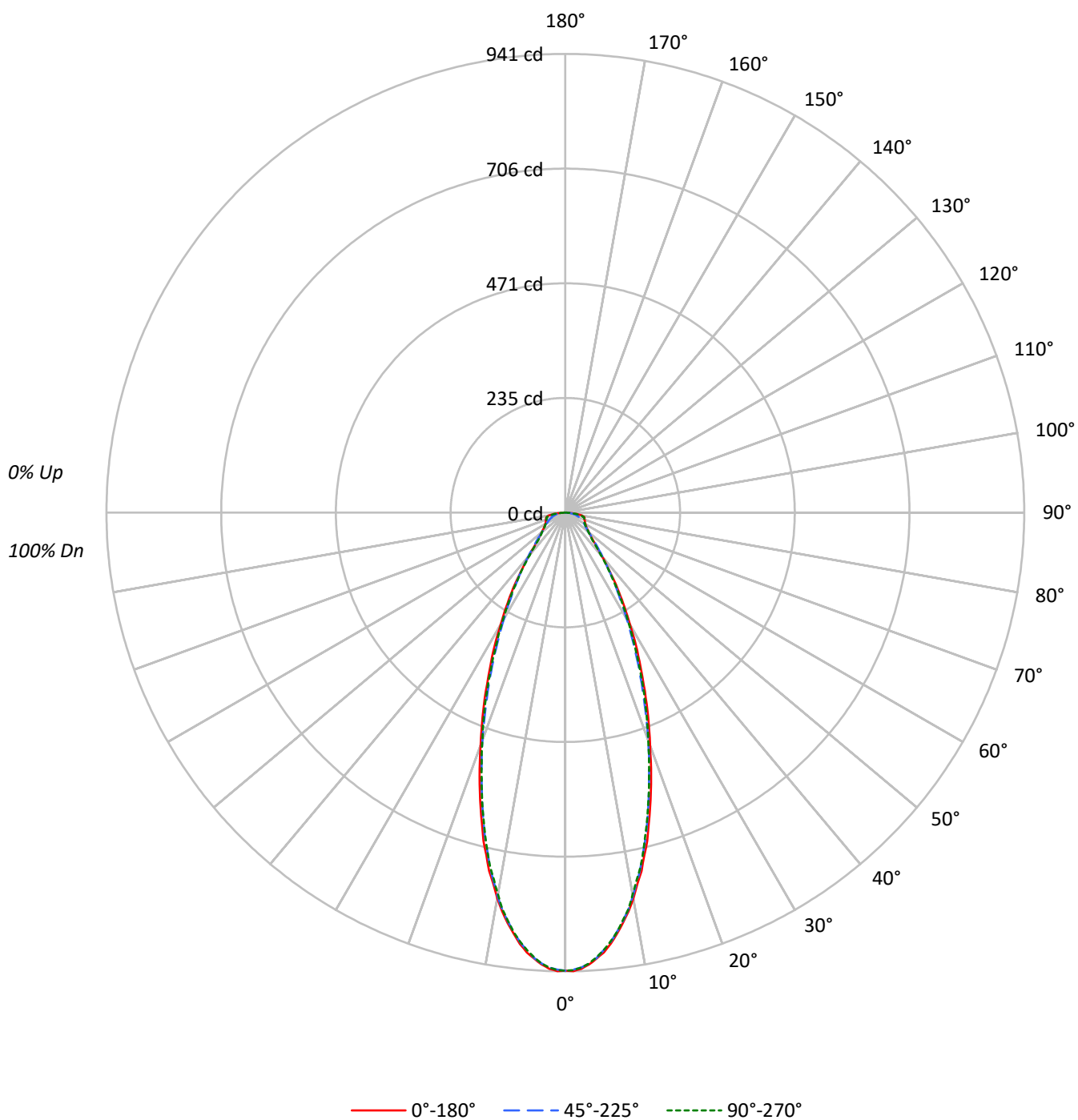
Lumens per Lamp: N/A  
Luminaire Lumens: 741.0 lumens  
Efficiency: N/A  
Efficacy: 35.0 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1306085

CATALOG NUMBER: P3SQASS17R309024DE010 E3SQPHLP1MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1306085

CATALOG NUMBER: P3SQASS17R309024DE010 E3SQPHLP1MW

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|--|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |  | 20  |     |     |  | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |  | 30  |     |     |  | 10  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99  | 101 | 99  | 96  |  | 97  | 95  | 93  |  | 94  |
| 2   | 104 | 98  | 92  | 88  | 102 | 96  | 91  | 87  | 92  | 88  | 85  |  | 89  | 86  | 83  |  | 86  |
| 3   | 97  | 89  | 83  | 78  | 95  | 88  | 82  | 77  | 85  | 80  | 76  |  | 83  | 78  | 75  |  | 80  |
| 4   | 92  | 82  | 76  | 70  | 90  | 81  | 75  | 70  | 79  | 73  | 69  |  | 77  | 72  | 68  |  | 75  |
| 5   | 86  | 76  | 69  | 64  | 85  | 75  | 69  | 64  | 74  | 68  | 63  |  | 72  | 67  | 63  |  | 70  |
| 6   | 82  | 71  | 64  | 59  | 80  | 70  | 64  | 59  | 69  | 63  | 59  |  | 67  | 62  | 58  |  | 66  |
| 7   | 77  | 67  | 60  | 55  | 76  | 66  | 60  | 55  | 65  | 59  | 55  |  | 63  | 58  | 54  |  | 62  |
| 8   | 74  | 63  | 56  | 51  | 72  | 62  | 56  | 51  | 61  | 55  | 51  |  | 60  | 55  | 51  |  | 59  |
| 9   | 70  | 59  | 53  | 48  | 69  | 59  | 52  | 48  | 58  | 52  | 48  |  | 57  | 51  | 48  |  | 56  |
| 10  | 67  | 56  | 50  | 45  | 66  | 56  | 49  | 45  | 55  | 49  | 45  |  | 54  | 49  | 45  |  | 53  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 161838 | 161838 | 161838 |
| 5°  | 156561 | 155783 | 155783 |
| 10° | 140516 | 139711 | 139117 |
| 15° | 117766 | 115947 | 115733 |
| 20° | 92976  | 91106  | 91106  |
| 25° | 71165  | 68372  | 69664  |
| 30° | 52819  | 50094  | 51228  |
| 35° | 38180  | 36499  | 36751  |
| 40° | 26282  | 26799  | 25517  |
| 45° | 19631  | 20459  | 18803  |
| 50° | 17040  | 16719  | 16719  |
| 55° | 16004  | 15343  | 15674  |
| 60° | 16430  | 15259  | 16017  |
| 65° | 18053  | 15282  | 17564  |
| 70° | 21149  | 15408  | 20595  |
| 75° | 27216  | 16635  | 26417  |
| 80° | 33721  | 18051  | 31539  |
| 85° | 26874  | 17982  | 24700  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 33721 cd/sqm

TEST NUMBER: P1306085

CATALOG NUMBER: P3SQASS17R309024DE010 E3SQPHLP1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 82.8   | 11.2      |
| 10°-20°   | 180.2  | 24.3      |
| 20°-30°   | 167.9  | 22.7      |
| 30°-40°   | 111.4  | 15.0      |
| 40°-50°   | 64.9   | 8.8       |
| 50°-60°   | 47.2   | 6.4       |
| 60°-70°   | 39.9   | 5.4       |
| 70°-80°   | 33.0   | 4.5       |
| 80°-90°   | 13.7   | 1.9       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 430.9  | 58.1      |
| 0°-40°    | 542.3  | 73.2      |
| 0°-60°    | 654.3  | 88.3      |
| 0°-90°    | 741.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 741.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 940 | 940   | 940 | 940   | 940 |      |
| 5°  | 906 | 904   | 901 | 901   | 901 | 83   |
| 15° | 660 | 654   | 650 | 649   | 649 | 182  |
| 25° | 374 | 368   | 360 | 361   | 367 | 173  |
| 35° | 182 | 178   | 174 | 175   | 175 | 114  |
| 45° | 81  | 82    | 84  | 79    | 77  | 65   |
| 55° | 53  | 52    | 51  | 52    | 52  | 48   |
| 65° | 44  | 40    | 38  | 40    | 43  | 44   |
| 75° | 41  | 31    | 25  | 31    | 40  | 42   |
| 85° | 14  | 16    | 9   | 15    | 12  | 16   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

TEST NUMBER: P1306085

CATALOG NUMBER: P3SQASS17R309024DE010 E3SQPHLP1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 939.7 | 939.7 | 939.7 | 939.7 | 939.7 |
| 1°    | 940.8 | 939.7 | 937.4 | 938.5 | 938.5 |
| 2°    | 936.3 | 935.1 | 934.0 | 934.0 | 934.0 |
| 3°    | 928.3 | 927.2 | 926.0 | 926.0 | 926.0 |
| 4°    | 917.0 | 915.8 | 915.8 | 914.7 | 914.7 |
| 5°    | 905.6 | 904.5 | 901.1 | 901.1 | 901.1 |
| 6°    | 889.7 | 888.6 | 886.3 | 885.2 | 885.2 |
| 7°    | 870.4 | 870.4 | 867.0 | 865.9 | 867.0 |
| 8°    | 850.0 | 848.9 | 846.6 | 845.5 | 845.5 |
| 9°    | 828.4 | 825.0 | 825.0 | 821.6 | 823.9 |
| 10°   | 803.5 | 801.2 | 798.9 | 796.7 | 795.5 |
| 11°   | 775.1 | 774.0 | 770.6 | 768.3 | 767.2 |
| 12°   | 751.3 | 745.6 | 743.3 | 739.9 | 742.2 |
| 13°   | 720.6 | 717.2 | 711.6 | 710.4 | 711.6 |
| 14°   | 694.5 | 687.7 | 683.2 | 680.9 | 679.8 |
| 15°   | 660.5 | 653.7 | 650.3 | 649.1 | 649.1 |
| 17.5° | 584.5 | 579.9 | 570.8 | 570.8 | 570.8 |
| 20°   | 507.3 | 502.7 | 497.1 | 495.9 | 497.1 |
| 22.5° | 440.3 | 432.4 | 423.3 | 424.4 | 431.2 |
| 25°   | 374.5 | 367.7 | 359.8 | 360.9 | 366.6 |
| 27.5° | 318.9 | 309.8 | 301.9 | 304.1 | 307.5 |
| 30°   | 265.6 | 259.9 | 251.9 | 254.2 | 257.6 |
| 32.5° | 220.2 | 216.8 | 207.7 | 209.9 | 213.4 |
| 35°   | 181.6 | 178.2 | 173.6 | 174.8 | 174.8 |
| 37.5° | 145.3 | 145.3 | 144.1 | 143.0 | 141.9 |
| 40°   | 116.9 | 119.2 | 119.2 | 115.8 | 113.5 |
| 42.5° | 95.3  | 97.6  | 99.9  | 95.3  | 91.9  |
| 45°   | 80.6  | 81.7  | 84.0  | 79.4  | 77.2  |
| 47.5° | 70.4  | 70.4  | 72.6  | 69.2  | 68.1  |
| 50°   | 63.6  | 63.6  | 62.4  | 61.3  | 62.4  |
| 52.5° | 57.9  | 56.7  | 55.6  | 56.7  | 56.7  |
| 55°   | 53.3  | 52.2  | 51.1  | 52.2  | 52.2  |
| 57.5° | 49.9  | 48.8  | 47.7  | 47.7  | 48.8  |
| 60°   | 47.7  | 45.4  | 44.3  | 45.4  | 46.5  |
| 62.5° | 45.4  | 42.0  | 40.9  | 42.0  | 44.3  |
| 65°   | 44.3  | 39.7  | 37.5  | 39.7  | 43.1  |
| 67.5° | 43.1  | 37.5  | 34.0  | 37.5  | 42.0  |
| 70°   | 42.0  | 35.2  | 30.6  | 35.2  | 40.9  |
| 72.5° | 40.9  | 32.9  | 28.4  | 32.9  | 40.9  |
| 75°   | 40.9  | 30.6  | 25.0  | 30.6  | 39.7  |
| 77.5° | 38.6  | 28.4  | 21.6  | 28.4  | 37.5  |
| 80°   | 34.0  | 26.1  | 18.2  | 25.0  | 31.8  |
| 82.5° | 25.0  | 22.7  | 13.6  | 21.6  | 23.8  |
| 85°   | 13.6  | 15.9  | 9.1   | 14.8  | 12.5  |
| 87.5° | 2.3   | 3.4   | 2.3   | 6.8   | 4.5   |



TEST NUMBER: P1306085  
CATALOG NUMBER: P3SQASS17R309024DE010 E3SQPHLP1MW

**CANDELA DISTRIBUTION (continued):**

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)